

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing OR ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number 0583P37US01

First Named Inventor Peter DEANE

COMPLETE IF KNOWN

Application Number

Filing Date

CONCURRENTLY HEREWITH

Art Unit

Examiner Name

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR PROCESSING MULTIPLE COMMON FREQUENCY SIGNALS THROUGH A SINGLE CABLE USING CIRCULATORS

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☒

Customer Number
or Bar Code Label

20779

OR ☐

Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :

☐ A petition has been filed for this unsigned inventor

Given Name Peter
(first and middle [if any])

Family Name DEANE
or Surname

Inventor's
Signature

Date

Fitzroy Harbour
Residence: City

Ontario
State

Canada
Country

British
Citizenship

4779 Newtown Road

Mailing Address

Fitzroy Harbour
City

Ontario
State

KOA 1X0
ZIP

Canada
Country

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name Abdelgader
(first and middle [if any])

Family Name LEGNAIN
or Surname

Inventor's
Signature

Date

Nepean
Residence: City

Ontario
State

Canada
Country

Libyan Arab Jamahiriya
Citizenship

66-F Brockington Cres.

Mailing Address

Nepean
City

Ontario
State

K2G 5L1
ZIP

Canada
Country

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

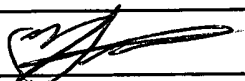
DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet
Page 1 of 1**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventorGiven
Name
NeilFamily Name
or Surname
MCGOWANInventor's
SignatureDate
July 24/03

Stittsville

Residence: City

Ontario
StateCanada
CountryCanadian
Citizenship5 Kearnsley Way
Mailing Address

Mailing Address

City
StittsvilleOntario
StateK2S 1G8
ZIPCanada
Country**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventorGiven
Name
MarthinusFamily Name
or Surname
DA SILVEIRAInventor's
SignatureDate
25 July 2003

Nepean

Residence: City

Ontario
StateCanada
CountrySouth African
Citizenship7 Clouthier St.
Mailing Address

Mailing Address

City
NepeanOntario
StateK2J 4T4
ZIPCanada
Country**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventorGiven
NameFamily Name
or SurnameInventor's
Signature

Date

Residence: City

State

Country

Citizenship

Mailing Address

Mailing Address

City

State

ZIP

Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PATENT/DOCKET NO. 0583P37US01
CUSTOMER NO. 20779

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Peter DEANE et al § Attorney Docket No. 0583P37US01
Serial No.: n/a §
Filed: Herewith § Group Art Unit: n/a
Title: METHOD AND APPARATUS §
FOR PROCESSING MULTIPLE §
COMMON FREQUENCY §
SIGNALS THROUGH A §
SINGLE CABLE USING §
CIRCULATORS § Examiner: n/a

Commissioner for Patents
Washington, D.C. 20231

POWER OF ATTORNEY FOR
PATENT APPLICATION

Nortel Networks Limited, a Canadian corporation having principal offices at:

**2351 Boulevard Alfred-Nobel
St. Laurent, Quebec H4S 2A9, Canada**

the owner by assignment of the entire right, title and interest to the invention for **METHOD AND APPARATUS FOR PROCESSING MULTIPLE COMMON FREQUENCY SIGNALS THROUGH A SINGLE CABLE USING CIRCULATORS**, by Peter DEANE; Abdelgader LEGNAIN; Neil MCGOWAN and Marthinus DA SILVEIRA in and to the application for patent and any Letters Patent, whether domestic or foreign, that may issue thereon, hereby appoints the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

☒ Practitioners at Customer Number

20779

Place Customer
Number Bar Code
Label here

its attorneys with full power of substitution and revocation, to prosecute all domestic and foreign patent applications, including PCT and EPO filings, relating to said invention and to transact all business connected therewith, including signing of all papers on its behalf and making alterations and amendments.

Page 2

Please address all correspondence and telephone calls regarding this application to:

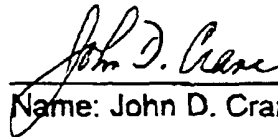
Dennis R. Haszko,
SHAPIRO COHEN,
P.O. Box 3440, Station D,
Ottawa, Ontario, K1P 6P1,
Canada.

The undersigned is the representative for the Assignee of the entire right, title, and interest in the patent application identified above, and is authorized to act on behalf of the Assignee.

NORTEL NETWORKS LIMITED

13 August 2003

Date



Name: John D. Crane

Title: Senior IP Counsel